



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010425
CERTIFICATION DATE: November 14, 2013
DATE RECERTIFICATION DUE: May 13, 2014

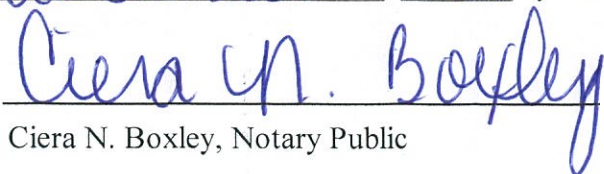
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.


Melissa Kennedy

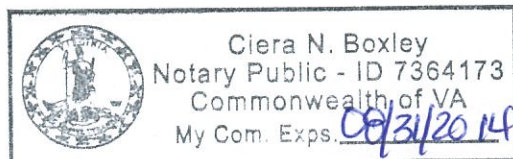
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of December, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



DBH
WJK

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/19/2013**

Instrument Serial Number: 010425 **As of 19-Nov-13**

Maintenance Date	Certification Date	Technician Initials	Remarks
14-Nov-13	14-Nov-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
28-May-13	28-May-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
14-Dec-12	14-Dec-12	TLN (25387)	CERTIFIED.
03-Jul-12	03-Jul-12	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
19-Jan-12	19-Jan-12	DBH (21250)	CERTIFIED
28-Jul-11	28-Jul-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
01-Feb-11	01-Feb-11	RJP (22428)	CERTIFIED.
19-Aug-10	19-Aug-10	RJP (22428)	CERTIFIED.
03-Mar-10	03-Mar-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
30-Sep-09	30-Sep-09	RJP (22428)	CERTIFIED.
30-Jul-09	30-Jul-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
14-Jul-09	14-Jul-09	RJP (22428)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
msh

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010425 Worksheet Start Date 11/14/2013

Location Central Virginia Regional Jail

Address 13021 James Madison Hwy Orange VA 22960

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies
E-Seek		Mouthpieces <u>75</u>
Keyboard		Certificates of Analysis <u>75</u>
Printer		Operator Worksheet
UPS		Other:

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010425

Certification Date 11/14/2013

Instrument Barometer (mm HG) 756

Reference Barometer (mm HG) 757

Reference Barometer(RB)Serial # 009109

RB Calibration Due 8/1/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.246
0.250	0.248	0.240	0.255	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.246
0		0.246	0.246		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.149	0.144	0.153	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.148
0		0.148	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG230501-36

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.099	0.096	0.102	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

Donald B Hall

Date

11/19/13

Issuing Analyst

Melissa Kennedy

Date

11/24/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TIN

DFS Document 250-F113

Revision 6

Page 2 of 2



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/14/2013
TEST EQUIPMENT NUMBER 010425		

RESULTS: TIME SAMPLE TAKEN 10:05 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Nov 2013 at 12:17

DBH

WKL

Test Results

Instrument Serial Number 010425

Test # 000928 Subject Test

Test Location 1 Department of
Test Date 14 Nov 2013

Test Location 2 Forensic Science
Test Time 09:59
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 14 Nov 2013 End Time 10:06

Result Time 10:05

Result Date 14 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:59

Data Type BLK

Sample Value 0.000

Sample Time 10:00

Data Type CHK

Sample Value 0.101

Sample Time 10:00

Data Type BLK

Sample Value 0.000

Sample Time 10:02

Data Type SUBJ

Sample Value 0.000

Sample Time 10:02

Data Type BLK

Sample Value 0.000

Sample Time 10:03

Data Type SUBJ

Sample Value 0.000

Sample Time 10:05

Data Type BLK

Sample Value 0.000

Sample Time 10:06

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG230501-36

Standard Expiration Date 10/31/2014

Tank Pressure 992

Barometric Pressure 756 mmHg

Blow Sample Number 1 Blow Duration 3.29 sec

Blow Volume 1687 cc End-of-Blow Time 10:02

Blow Sample Number 2 Blow Duration 3.54 sec

Blow Volume 1786 cc End-of-Blow Time 10:05

Tamper Evident Stamp 8938b533

Test Status Code 0

Test Status Success

Intox EC/1R-11: Accuracy Check

Department of Forensic Science

Serial Number: 010425 Test Number: 929

Test Date: 11/14/2013 Test Time: 10:09 EST

Dry Gas Target: 0.100

Lot Number: AG230501-36 Exp Date: 10/31/2014

Tank Pressure: 982 psi Barometric Pressure: 756 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:09
CHK	0.101	10:10
BLK	0.000	10:12
CHK	0.101	10:13
BLK	0.000	10:14
CHK	0.101	10:15

Test Status: *Success*

Calibration CRC: E2B6E623

13A

108

DBH

MLK

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010425 Test Number: 930

Test Date: 11/14/2013 Test Time: 10:20 EST

Dry Gas Target: 0.298

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 85 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	10:20
CHK	0.302	10:21
BLK	0.000	10:23
CHK	0.301	10:23
BLK	0.000	10:25
CHK	0.301	10:25

Test Status: Success

Calibration CRC: E2B6E623

Intox EC/IR-11: Certification

DBH

Department of Forensic Science

NSH

Serial Number: 010425 Test Number: 931

Test Date: 11/14/2013 Test Time: 10:34 EST

Technician Initials: DBH

Dry Gas Target: 0.100

Lot Number: AG230501-36 Exp Date: 10/31/2014

Tank Pressure: 963 psi Barometric Pressure: 756 mmHg

Test	g/210L	Time
DIAG	Pass	10:35
BLK	0.000	10:35
CHK	0.100	10:36
BLK	0.000	10:37
CHK	0.100	10:38
BLK	0.000	10:39
CHK	0.100	10:40
BLK	0.000	10:41

Success

Standard Value (at sea level): 0.100 g/210L

Certification Status: Success

PERFORMED ONE-POINT CERTIFICATION IN PREPARATION
FOR FIRMWARE/SOFTWARE UPGRADE DUE TO CERTIFICATION
WARNING ON DISPLAY.

DBH
11/14/13

NSH

Intox EC/IR-II: Software Version

WHL

Department of Forensic Science

Serial Number: 010425

System Date: 11/14/2013

System Time: 11:04 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

Intox EC/IR-II: Calibration

WKL

Department of Forensic Science

Serial Number: 010425 Test Number: 932

Test Date: 11/14/2013 Test Time: 11:05 EST

Dry Gas Target: 0.099

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 370 psi Barometric Pressure: 755 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:06
CAL	0.099	11:07

Test Status: *Success*

Calibration CRC: C094246F

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010425 Test Number: 933

Test Date: 11/14/2013 Test Time: 11:10 EST

Technician Initials: DBH

Dry Gas Target: 0.248

Lot Number: 29612250I2-10 Exp Date: 11/01/2014

Tank Pressure: 134 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:10
BLK	0.000	11:11
CHK	0.246	11:12
BLK	0.000	11:14
CHK	0.246	11:14
BLK	0.000	11:16
CHK	0.246	11:17
BLK	0.000	11:18

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

WKL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010425 Test Number: 934

Test Date: 11/14/2013 Test Time: 11:21 EST

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 649 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:21
BLK	0.000	11:22
CHK	0.148	11:22
BLK	0.000	11:24
CHK	0.148	11:25
BLK	0.000	11:26
CHK	0.148	11:27
BLK	0.000	11:28

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010425 Test Number: 935

Test Date: 11/14/2013 Test Time: 11:30 EST

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 105 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:31
BLK	0.000	11:32
CHK	0.080	11:32
BLK	0.000	11:34
CHK	0.080	11:34
BLK	0.000	11:36
CHK	0.080	11:36
BLK	0.000	11:38

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010425 Test Number: 936
Test Date: 11/14/2013 Test Time: 11:40 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 973 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:41
BLK	0.000	11:41
CHK	0.019	11:42
BLK	0.000	11:43
CHK	0.019	11:44
BLK	0.000	11:45
CHK	0.019	11:46
BLK	0.000	11:47

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010425 Test Number: 937

Test Date: 11/14/2013 Test Time: 11:51 EST

Dry Gas Target: 0.298

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 80 psi Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:52
CHK	0.299	11:53
BLK	0.000	11:54
CHK	0.299	11:55
BLK	0.000	11:57
CHK	0.299	11:58

Test Status: *Success*

Calibration CRC: C094246F

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010425 Test Number: 938

Test Date: 11/14/2013 Test Time: 12:01 EST

Dry Gas Target: 0.099

Lot Number: AG230501-36 Exp Date: 10/31/2014

Tank Pressure: 948 psi Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:02
CHK	0.100	12:03
BLK	0.000	12:05
CHK	0.100	12:05
BLK	0.000	12:07
CHK	0.100	12:07

Test Status: *Success*

Calibration CRC: C094246F

DBH

WHL




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/14/2013
TEST EQUIPMENT NUMBER 010425		

RESULTS: TIME SAMPLE TAKEN 12:16 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Nov 2013 at 12:16

DBH

MSH

Test Results

Instrument Serial Number 010425

Test # 000939 Subject Test

Test Location 1 Department of
Test Date 14 Nov 2013

Test Location 2 Forensic Science
Test Time 12:10
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 14 Nov 2013 End Time 12:17

Result Time 12:16

Result Date 14 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:10

Data Type BLK

Sample Value 0.000

Sample Time 12:11

Data Type CHK

Sample Value 0.100

Sample Time 12:12

Data Type BLK

Sample Value 0.000

Sample Time 12:13

Data Type SUBJ

Sample Value 0.000

Sample Time 12:14

Data Type BLK

Sample Value 0.000

Sample Time 12:15

Data Type SUBJ

Sample Value 0.000

Sample Time 12:16

Data Type BLK

Sample Value 0.000

Sample Time 12:17

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG230501-36

Standard Expiration Date 10/31/2014

Tank Pressure 938

Barometric Pressure 754 mmHg

Blow Sample Number 1 Blow Duration 3.60 sec

Blow Volume 1870 cc End-of-Blow Time 12:14

Blow Sample Number 2 Blow Duration 3.81 sec

Blow Volume 1847 cc End-of-Blow Time 12:16

Tamper Evident Stamp 2abfb827

Test Status Code 0

Test Status Success